

**REMARKS**

Claims 1-73 are pending in the above-identified application. Claims 1-73 were rejected. With this Amendment, claims 1, 4, 7, 10, 11, 13, 15, 18, 21, 24, 25, 27, 29, 32, 35, 38, 39, 41, 43, 46, 49, 52, 53, 55, 57, 60, 63, 65, 68, 71, and 73 have been amended. Accordingly, claims 1-73 remain at issue.

**I. 35 U.S.C. § 102 Anticipation Rejection of Claims**

Claims 1-73 were rejected under 35 U.S.C. § 102(b) as being anticipated by Chen (U.S. Patent No. 5,553,235). Applicants respectfully traverse this rejection.

The independent claims have been amended to specify that each of the plurality of states refers to a portion of the program. As discussed in the response to the March 22, 2005 Office Action, Chen et al. does not disclose or suggest running a program with a plurality of threads having a plurality of states, where each of the states refers to a portion of the program. Moreover, Chen et al. is devoid of analyzing a program to find the portion of the program, or state, that the processor is executing. Furthermore, Chen et al. does not disclose or suggest: (1) running a program with a plurality of threads having a plurality of states, and then determining a time period a selected thread is in a selected state; (2) determining whether another thread other than the selected thread is in another state other than the selected state; or (3) determining an amount of time that the other thread is in the other state, all of which are required by claim 1. Because claim 1 includes limitations that are neither disclosed nor suggested by Chen et al., claim 1, and claims 2-3 that depend from claim 1, are allowable over Chen et al. For reasons similar to those discussed with regard to claim 1, Applicants respectfully

Response to October 21, 2005 Final Office Action

Application No. 10/002,885

Page 31

submit that claims 4-73 are also allowable over Chen et al. Accordingly, Applicants respectfully request withdrawal of this rejection.

**II. Conclusion**

In view of the above amendments and remarks, Applicants submit that all claims are clearly allowable over the cited prior art, and respectfully request early and favorable notification to that effect.

Respectfully submitted,

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